BRUHAT BANGALORE MAHANAGARA PALIKE
PROJECT DIVISION, YELAHANKA ZONE

APPROVED SCHEDULE - B

Name of Work:- Widening of Road from Bhadrappa Layout Signal to Kodigehalli circle Chainage:0.00 Mtr to 1500.00 Mtr, Ward No.08, Yelahanka Zone

BBMP/2012-13/RD/WORK_INDENT3643

SL No	Item Name	Unit	Approved Quantity	Approved Rate	Rates in Words
1	2	3	4	5	6
1	KSRRB M200-11.1 Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removalof stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications. II. By Mechanical Means.A. In area of light jungle as per the Engineer in charge of the work	Ha	0.75	20000.00	Rupees twenty thousand only
2	KSRRB 200-1 Cutting of trees girth from 600mm to 980mm including cutting of trunks, branches and removal of stumps stacking of serviceable materials within a lead of 100 metres, earth filling in the depressions / pit, labour charges complete as per specifications as per the Engineer in charge of the work	Nos	15.00	500.00	Rupees five hundred only
3	KSRRB 300-1 Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications as per the Engineer in charge of the work	Cum	6600.16	150.00	Rupees one hundred fifty only
4	KSRRB M300-59.2 Loosening, levelling and compacting origial ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Table 300-2 for embankment construction complete as per specifications. Case-II: Compacting original ground supporting embankment (which includes watering charges & compaction by vibratory roller) as per the Engineer in charge of the work	Cum	3156.54	22.00	Rupees twenty two only
5	KSRRB M300-55 Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller) as per the Engineer in charge of the work	Cum	6997.02	200.00	Rupees two hundred only

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1	2	3	4	5	6
6	KSRRB M400-7. Construction of granular sub-base by providing Coarse graded material, speading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per specifications.ForCoarse graded granular sub-base material as per 400-2 For Grading I Material as per the Engineer in charge of the work	Cum	2104.36	1100.00	Rupees one thousand one hundred only
7	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications as per the Engineer in charge of the work.	Cum	2630.45	1200.00	Rupees one thousand two hundred only
8	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications as per the Engineer in charge of the work.	Sqm	14430.00	35.00	Rupes thirty five only
9	KSRRB M500-10. Tack Coat - Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechancial broom complete as per specifications as per the Engineer in charge of the work.	Sqm	28860.00	15.00	Rupees fifteen only
10	KSRRB M500-17. Providing and laying dense graded bituminous macadam with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.0 to 4.5% by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.7 complete in all respects as per specifications. Bitumen 60/70MORTH Specification No. 507 50- 75mm compacted thickness (Grading II) with 4.5% Bitumen as per the Engineer in charge of the work.	Cum	721.50	7500.00	Rupees seven thousand five hundred only
11	KSRRB M500-18. Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications 25-30mm compacted thickness with 5% bitumen 60/70 grade (Grading II) as per the Engineer in charge of the work.	Cum	360.75	8000.00	Rupees eight thousand only

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12	KSRRB M1200-48.1. Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm high in M-20 grade PCC on M-10 grade foundation 150 mm thick, foundation having 50 mm projection beyond kerb stone, kerb stone laid with kerb lying machine, founation concrete laid manually, all complete as per Clause 400.8 complete as per spcifications. A. Using Concrete Mixer MORTH Specification as per the Engineer in charge of the work	Rmtr	3848.00	265.00	Rupees two hundred sixty five only
13	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications as per the Engineer in charge of the work	Rmtr	1404.52	60.00	Rupees sixty only
14	KSRRB M800-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications as per the Engineer in charge of the work.	Rmtr	577.20	500.00	Rupees five hundred only
15	KSRRB M800-2. Retro-Reflectorised Traffic Signs - Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of high intensity grade sheeting vide clause 800.1.3, fixed over Aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing complete as per specifications as per the Engineer in charge of the work	Nos	15.00	5000.00	Rupees five thousand only
16	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications as per directions of the Engineer-in-charge of the work	Cum	2808.96	180.00	Rupees one hundred eighty only
17	KSRB 4-1.1. Providing and laying in position plain cement concrete of mix M15 with OPC cement @ 240kgs. with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications as per directions of the Engineer-in-charge of the work	Cum	164.16	4500.00	Rupees four thousand five hundred only
18	KSRB 4-1.6 . Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs. with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in [illegible] including cost of all materials, labour, HOM of machinery, curing complete as per specifications as per directions of the Engineer-in-charge of the work	Cum	85.80	5000.00	Rupees five thousand only

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19	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as perspecifications as per directions of the Engineer-in-charge of the work	Qtl	579.55	6800.00	Rupees six thousand eight hundred only
20	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, with superplastisiser @3lts confirming to IS9103- 1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C. beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications as per directions of the Engineer-in-charge of the work	Cum	607.36	5200.00	Rupees five thousand two hundred only
21	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton as per directions of the Engineer-in-charge of the work	Sqm	6526.40	240.00	Rupees two hundred forty only
22	KSRRB M2200-8 Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V 20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications as per directions of the Engineer-in-charge of the work	Rmt	55.40	100.00	Rupees one hundred only

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